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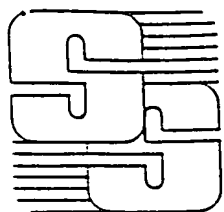
For the attention of MR John R Benefield
Your request of 25/7/97
Your reference 0081471

FOR YOUR RETENTION

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Stanley Smith & Co Plastics Ltd

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THE COMPLETE RANGE

VITRONE PVC

Calendered

Clear, tinted clear, translucent and opaque colours.

Tough, non-toxic, easily worked.

Suitable for all packaging and general thermoforming work.

Width range 25 to 1000 mm.

Thickness range 0.075 to 1.00 mm.

Cut panels up to 3000 x 1000 mm.

Laminated

Clear or white pvc laminated to pe or Surlyn (pvdc/pe complex from Dow Chemical Corp) for CAP and MAP.

PVC range as above.

Polythene available as 75 or 100 micron.

Extruded

a. Vitraplus clear, opal and bronze for domelights, rooflights and space glazing.

b. Vitrone E industrial in R1153 dark grey and R1117 light grey for all chemical and food handling applications.

Vitrone E is non-toxic.

c. Vitrone E colours – colour matched in minimum 5000 kg lots.

Extruded sheet thicknesses: 1.00 to 12.00 mm.

Extruded sheet sizes

2440 x 1220 mm

3000 x 1220 mm

3000 x 1500 mm

6000 x 1500 mm.

Cut panels available for minimum 50 sheet lots.

Vitraplus is protected with strippable pe film as standard. This film is available for Vitrone E on request.

Pressed

a. Clear wire laminate.

To complement Vitraplus where ultimate fire penetration resistance is needed. (BSS 476 part 3).

Sheet sizes: 2440 x 1220 mm

: 3600 x 1500 mm.

Thicknesses: 1.5, 3.0, 4.5 and 6.0 mm.

These sheets are available untrimmed.

b. General industrial pressed sheet produced to customers individual needs.

Customers own material may be included if relevant as a customers' fabrication.

Sheet Size: 1372 x 915 mm.

Thickness range: 1.00 to 6.00 mm.

VITRALENE POLYPROPYLENE

The range of homopolymer and copolymer in natural, beige grey and black is available as both pressed block and extruded sheet.

Special colours, nodular finish, special formulations for specific applications and regenerated material are also available as pressed block.

1. Vitralene pressed block

Size range

1000 x 1000 mm

2000 x 1000 mm

3050 x 1220 mm

3050 x 1525 mm.

Thickness range: 1.6 to 75 mm.

Exception 1000 x 1000 mm is available from 60 to 120 mm thickness.

2. Vitralene E extruded sheet

Sheet size

2440 x 1220 mm

3000 x 1220 mm

3000 x 1500 mm

6000 x 1500 mm.

Thickness range: 1.00 to 12.00 mm.

VITRATHENE POLYTHENE

Vitrathene pressed block and extruded sheet is available in the same range of thicknesses and sheet sizes as Vitralene and Vitralene E polypropylene.

However the most important aspect of the Vitrathene range is the wide variety of polythene types available to satisfy every technical requirement.

The range comprises.

1. Low density – density 0.920

2. Linear low density – density 0.930

3. High density – density 0.955

4. High molecular weight high density – also called "500 grade" – density 0.950.

5. Ultra high molecular weight high density – also called "1000 grade" – density 0.940.

6. Regenerated ultra high molecular weight high density – grade black PM39 – density 0.940.

7. Filled low and high density materials. Fillers include boron, boron carbide, lithium salt, glass, tungsten.

For full details please see 'Vitrathene' leaflet.

8. Flame proof material. Modification to reduce flammability can be carried out to customer specification.
9. Pink grade 2SSAO low density polythene in flesh colour for orthopaedic splints – the original material developed in conjunction with Dr. Scales – the world leader for 40 years.
10. Other orthopaedic polyolefines – please see separate leaflet.
11. Specialist materials can be processed to customer requirements to satisfy particular technical specifications. Our technical department can advise on all aspects of this work.

In addition Vitratene polythene is available as rod, block and massive moulding in low density only as follows:-

1. **Rod**
From 25 to 1000 mm diameter and lengths from 300 mm upwards in natural and block.
2. **Block**
In standard size 500 × 500 mm and thickness from 100 to 1000 mm in natural and block.

3. **Massive mouldings**

Up to 1500 mm diameter and 1500 mm height can be manufactured to customer requirement and machined to drawing.

4. **Specialist materials**

Stanley Smith & Co produce sheet, block and mouldings in a variety of specialist materials for technically demanding applications and to customer requirements. Among the specialist materials produced are PETG for orthotics and prosthetics.

Surlyn for prosthetics.

Nylon 6 for heavy duty application.

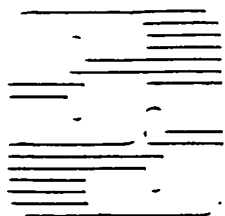
High temperature thermosets for radiation protection and neutron absorption up to 300°C maximum.

Pourable neutron shielding.

Filled and modified materials for many applications in the field of nuclear science and research.

Regenerated polythene and polypropylene materials for heavy industrial application.

Our technical department is always available to assist in choosing or developing the correct material for the application being undertaken.



Stanley Smith & Co
Plastics Ltd

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VITRONE

rigid P.V.C. sheet

Stanley Smith & Co specialise in the production of rigid p.v.c. sheet by calendering, continuous laminating, pressing and extrusion.

VITRONE CALENDERED SHEET

Satisfying all European regulations covering direct contact with foodstuffs, Vitrone calendered sheet is available in a wide range of formulations to satisfy the requirements of all markets.

- A. **Clear**
 - standard high impact for all normal duty and impact resistant applications.
 - ultra high impact for deep freeze packaging and the packing of extra heavy items.
- B. **Colours**
 - a wide range of tinted and opaque colours to satisfy uses as diverse as video cassette cases to pre-cooked poultry packs.
- C. **Chocolate and red**
 - the oldest established materials, satisfying all market requirements for taint free sophisticated packaging.
 - Thickness range: 0.075 to 1.00 mm*
 - Width range: 25 to 1000 mm*
 - Roll weights upto 500 kg*
 - Cut sheet upto 3000 x 1000 mm*

VITRONE LAMINATED SHEET

PVC/PE and PVC/Surlyn (the pvdc complex material from Dow Chemical Corp.) in a wide range of thickness combinations is produced to satisfy the needs of the CAP and MAP market.

Any pvc item from the range of calendered sheet can be laminated to either 70 to 100 micron pvc or to standard range Surlyn.

VITRONE PRESSED SHEET

A specialist range of pressed rigid pvc sheet is produced to customer requirement. Customer's own material can also be processed either wholly or in part with Vitrone formulations. Our technical department will advise on the best solutions to the needs of this market.

Standard size: 1372 x 915 mm

Thickness range: 0.250 to 6.00 mm